**Goal 1:**

* Development of new ETL process for ClientLink Portfolio management in order to solve issues arose in four areas - Flexpak, modeling, multi-currency modeling and TAC.
* Development of TAC frontend screens and UI testing.
* Creating packages for delivering Data Patches (DP).

**Goal 2**:

* Getting familiar with RBC products and line of Business.
* Developing professional network and be familiar with cutting-edge technologies.

**Self-Assessment:**

**Goal 1:**

ClientLink Agile Development:

A new ETL process for ClientLink was developed which created US side of the existing Canadian Dollar accounts and vice versa. Designed and developed modules to perform extract and transformed the extracted data to use it as a driver to load the data into Database. A configuration solution was designed and developed that minimizes the future cost of maintenance and provides the power of extensibility. Moreover, the extraction was designed carefully to ensure maximum performance and speed without using any additional resources. A rigorous testing was performed to ensure individual units and finally, individual modules were combined and tested as a group to ensure that it performs as expected. The source code was documented in a professional manner and followed the RBC standards to ensure the ease of future maintenance and reusability. Moreover, a design document was prepared that reflects the motivation/ background, a high-level overview of the entire process and the challenges faced. This document will introduce to the general process of ETL development and helps to reduce the learning effort in future.

DevOps:

I also introduced and learned the DevOps process and tools and finally built and deployed the build using automated DevOps tools like Jenkins and Urban Code Deploy. In summary, with the successful deployment of this project, I gained experience of the Agile Software Development process.

Frontend Development:

Despite not having any prior frontend development experience, successfully developed two UI screens for the ‘TAC’ project conforming all the business specification. Consulting with senior developers a modular design approach was taken for the development of the frontend to make it independent, reusable and efficient. Attended daily scrum meeting to provide the status update and participated in the design discussion. Moreover, developed automated testing suits that helped to achieve efficiency and robustness.

Production Support:

Successfully delivered all the requested Data Patches (DP) using CA SCM tool on demand. Resolved critical issues in creating packages/ delivering Data patches and contacted concerned personnel as required. Additional placeholder packages were created for future use. A significant efficiency was achieved by eliminating the wait time for package creation. Following this approach reduced the DP deliver time from approximately 12-15 minutes to 5 minutes for each DP.

**Goal 2:**

Online mandatory courses were completed and became aware of the rules and regulations. Attended Q2 T&O Town Hall meeting and came to know the task and progress of different teams. Meet people and learned about the different area of business.

Attended Tech Talks on different topics (e.g. Kafka, GitHub, Angular). The lesson from these sessions and online documents helped a lot while working on the TAC project. Although I did not have previous experience in frontend development, attending these sessions gave me very good overview which helped a lot in my self-learning process. I found the lessons learned at the ‘GitHub’ was very useful as I was able to successfully create my own branch for development and merge it to the main branch upon completion. This approach helped to avoid any conflict during the development phase and merged the code without disturbing others work. This enabled to collaborate effectively and to become agile.

Final:

Student:



Rashid, Rafiur

Home

Surveys

Challenges

Leaderboard

Career Chats

Badges

Settings

Logout

Close



**Rafiur Rashid**

Technical Systems Analyst Co-op

Info

Goal SettingPerformance Review

InfoGoal SettingPerformance Review

**Community Colour**

Red

Computer Science

Undergraduate

2nd/3rd year

York University

Innovation & Technology

Hired: Winter 2018

Graduating: Summer 2019

Next Available Term: Fall 2018

Available Full-Time From: May 1, 2019



mdrafiur@my.yorku.ca

**Top Ten Skills**



**Manager**

Smlatic, Sabin



**L4 Manager**

Hariman, Rick



**L3 Manager**

Wildberger, Martin

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**Due: April 6th 2018**

**Goal Setting**

**Please click** [**here**](https://rbc.plateau.com/icontent/CUSTOM/rbc/self-managed/eLEARNING/LCM_LeadershipCapabilities/#/) **for an overview of RBC's Leadership Model**

Goal 1 - Delivering in Your Role (Talk to your manager to identify and document your accountabilities and responsibilities. Track your progress throughout the term and write about your accomplishments here.)

Gain development experience and knowledge in divers’ development team, learning different IT technologies and SDLC.

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Goal 2: Learning For and Beyond Your Role (Examples: attend town halls, complete T&O Student Challenges, complete a spark! for another team, engage, participate and volunteer at events across RBC, attend Lunch & Learns and participate in your Student Community – the possibilities are endless!)

Additional Learning on cutting-edge tech topics in WMTS.

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**Self Assessment**

Please provide specific examples of how you accomplished your Goal 1 this work term.

**Rating -** Outstanding

**ClientLink Agile Development:**  
A new ETL process for ClientLink was developed which created US side of the existing Canadian Dollar accounts and vice versa. Designed and developed modules to perform extract and transformed the extracted data to use it as a driver to load the data into Database. A configuration solution was designed and developed that minimizes the future cost of maintenance and provides the power of extensibility. Moreover, the extraction was designed carefully to ensure maximum performance and speed without using any additional resources. A rigorous testing was performed to ensure individual units and finally, individual modules were combined and tested as a group to ensure that it performs as expected. The source code was documented in a professional manner and followed the RBC standards to ensure the ease of future maintenance and reusability. Moreover, a design document was prepared that reflects the motivation/ background, a high-level overview of the entire process and the challenges faced. This document will introduce to the general process of ETL development and helps to reduce the learning effort in future.

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I also introduced and learned the DevOps process and tools and finally built and deployed the build using automated DevOps tools like Jenkins and Urban Code Deploy. In summary, with the successful deployment of this project, I gained experience of the Agile Software Development process.

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Successfully delivered all the requested Data Patches (DP) using CA SCM tool on demand. Resolved critical issues in creating packages/ delivering Data patches and contacted concerned personnel as required. Additional placeholder packages were created for future use. A significant efficiency was achieved by eliminating the wait time for package creation. Following this approach reduced the DP delivery time from approximately 12-15 minutes to 5 minutes on average.

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Please provide specific examples of how you accomplished your Goal 2 during this work term.

**Rating -** Developing

Attended Lunch & Learns on different topics (e.g. Kafka, GitHub, Angular). The lesson from these sessions and online documents helped a lot while working on the TAC project. Although I did not have previous experience in frontend development, attending these sessions gave me very good overview which helped a lot in my self-learning process. I found the lessons learned at the ‘GitHub’ was very useful as I was able to successfully create my own branch for development and merge it to the main branch upon completion. This approach helped to avoid any conflict during the development phase and merged the code without disturbing others work. This enabled to collaborate effectively and to become agile.

In addition to that successfully completed the TalentLink courses and became aware of the rules and regulations. Attended Q2 T&O Town Hall meeting and came to know the task and progress of different teams. Met people and learned about the different area of business.

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**Manager's Assessment**

What is your overall rating for your student this term?

**Rating -** Outstanding

Rafiur is very responsible person, who completed all his assignments on time and without issues. In short period of time he developed new skills working with entire team of more than 15 developers. He quickly learned and started to participate in development tasks for ClientLink and TAC applications. All his team colleagues highly speak about his involvement and accomplishments. Rafiur was asked to work with totally new technologies for him, and without any hesitation he accepted assignments and with high motivation, effortlessly progressed and delivered on time. He followed instructions, he learned quickly, asking questions, explored options, tested solutions and delivered on time. Excellent feedback was provided by team leads.   
Rafiur is capable to deliver code in SQL, PL/SQL, Perl, KornShell, Angular.  
I believe he will be capable to deliver any other type of work and level of complexity.  
  
Rafiur has excellent writing skill, he precisely documented design decisions and code changes, but he should improve his oral communication to be a little bit louder when he talks. Still, that shouldn’t be any showstopper to consider him as potential RBC employee. Since Rafiur will stay with us one more term, there is opportunity to monitor his progress.

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Please provide specific examples of how your student accomplished Goal 1 during their work term.

**Rating -** Outstanding

Rafiur was exposed to application development where different technologies and approaches were needed, objected oriented as well as procedural. He demonstrated capabilities to learn and he applied skills which he already had. Rafiur developed new screens in Angular (OO) and Perl ETL modules, (procedural). Developing new ETL process, following instructions, he systematically broke the problem down into sub problems (sub procedures), tested components, and then integrated them and retested again. He worked with different sizes of data volume for different development phases, as well for different test cases.

Rafiur was asked to work with database related tasks, developing database data patches, wrapping SQL code into PL/SQL, creating re-executable scripts with all needed traceability and logging components. When the similar tasks were assigned to Rafiur, the new data patches, he accomplished those tasks with almost no need to repeat instructions to him. Since usually co-ops need several iterations for this type of work, I would say that Rafiur is productive at the same.

I am positive that Rafiur accomplished goal #1 with outstanding rating.

Your answer was saved successfully!

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Please provide specific examples of how your student accomplished Goal 2 during their work term.

**Rating -** High Performance

Rafiur demonstrated interest to learn new technologies, so he attended several “tech talks” sessions in WMTS. The learned, especially event for Angular, helped him with assignments on TAC project. He also didn’t hesitate to consult senior colleagues and discuss options.

As future IT professional, Rafiur expressed sufficient interest for someone who want to work in that industry, which is promising and if he stays motivated, it will position him to address all challenges which IT world is going to bring. I do believe that with formal education and with his personal interest and motivation, Rafiur will stay in IT fields for long time.

Your answer was saved successfully!

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